



Oracle Cloud Administrator – Foundation Course

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Course Overview

The Oracle Cloud Administrator – Foundations Course provides a comprehensive introduction to Oracle Cloud Infrastructure (OCI) for individuals beginning their journey in cloud administration. This course covers essential cloud computing concepts and builds practical understanding of OCI core services, including identity and access management, networking, compute, storage, database services, security, monitoring, and cost management.

Through structured modules and real-world administrative scenarios, participants gain the foundational skills required to deploy, manage, secure, and monitor cloud resources effectively. By the end of the course, learners will be equipped with the knowledge needed to operate OCI environments confidently and prepare for Oracle Cloud Foundations-level certifications and entry-level cloud administrator roles.

Duration & Module Coverage

Duration: 4 Days (32 hrs)
Time: 9.30 am to 5.30 pm

<u>Per Day Schedule</u>	<u>Module Coverage</u>
<u>Session 1:</u> 09.30 - 11.00 Theory 11.00 - 11.10 Break 11.10 - 13.10 Practical 13.10 - 13.50 Break <u>Session 2:</u> 13.50 - 15.50 Theory 15.50 - 16.00 Break 16.00 - 17.30 Practical	Day 1 – Modules 1 & 2 Day 2 – Modules 3 & 4 Day 3 – Modules 5 to 7 Day 4- Modules 8 to 12
Click here to view full detailed module list	

Learning Goals

Participants will learn how to provision, manage, secure, and monitor OCI resources across compute, networking, storage, and database services, while applying best practices for identity management, security, availability, automation, and cost control. By the end of the course, learners will be prepared to confidently support day-to-day cloud operations and progress toward Oracle Cloud Foundations-level certifications and cloud administrator roles.

Pre-Requisites

Participants should have a basic understanding of IT fundamentals such as operating systems, networking concepts, and general application or database usage. Familiarity with system administration or exposure to on-premise infrastructure is beneficial but not mandatory.

Teaching Methodology

This is a very hands-on course where participants carry out practical exercises in the classroom. The concepts are taught through implementation of real-world use-cases. Our exercises have been carefully designed to replicate scenarios participants will face in real life work conditions. We have adopted a 'Learn by Doing' pedagogical approach - Class room training with practical. Our trainings are not only PPT based.

Who Should Take This Course?

This course is ideal for aspiring cloud administrators, system administrators, and IT support professionals who want to build foundational skills in Oracle Cloud Infrastructure (OCI). It is also well suited for IT professionals transitioning from on-premises environments to cloud platforms, as well as individuals seeking a structured introduction to cloud concepts and OCI administration

Course Content

Day 1 - Cloud Fundamentals, OCI Overview & Identity

Learning Outcomes:

- ❖ Understand OCI architecture and cloud concepts
- ❖ Manage OCI IAM users and policies
- ❖ Configure basic OCI networking components

<u>Session 1: Module 1</u> <u>Time: 09.30 to 13.10</u>	<u>Session 2: Module 2</u> <u>Time: 13.50 to 17.30</u>
1. Introduction to Cloud Computing & OCI <ul style="list-style-type: none"> • Cloud computing concepts (IaaS, PaaS, SaaS) • Public vs private vs hybrid cloud • Oracle Cloud Infrastructure (OCI) overview • OCI regions, availability domains, fault domains • Shared responsibility model 	2. OCI Identity & Access Management (IAM) <ul style="list-style-type: none"> • OCI tenancy structure • Compartments and resource organization • Users, groups, and policies • Authentication methods • Best practices for access control

Day 2 - Networking & Compute Services

Learning Outcomes:

- ❖ Design and configure OCI networking components
- ❖ Implement secure connectivity using gateways
- ❖ Provision and manage OCI compute instances

<u>Session 1: Module 3</u> <u>Time: 09.30 to 13.10</u>	<u>Session 2: Module 4</u> <u>Time: 13.50 to 17.30</u>
3. OCI Networking Fundamentals <ul style="list-style-type: none"> • Virtual Cloud Network (VCN) concepts • Subnets (public and private) • Route tables • Internet gateway, NAT gateway, service gateway • Network security lists and network security groups • Basic connectivity scenarios 	4. Compute Services Administration <ul style="list-style-type: none"> • OCI Compute service overview • Shapes and pricing basics • Creating and managing compute instances • Instance lifecycle (start, stop, reboot, terminate) • Instance images and boot volumes • SSH access and basic instance management

Day 3 - Storage, Databases & Security

Learning Outcomes:

- ❖ Manage OCI storage and backup services
- ❖ Understand OCI database deployment options
- ❖ Apply OCI security and governance basics

<u>Session 1: Modules 5 & 6</u> <u>Time: 09.30 to 13.10</u>	<u>Session 2: Module 7</u> <u>Time: 13.50 to 17.30</u>
<p>5. Storage Services Fundamentals</p> <ul style="list-style-type: none"> • OCI Block Volume service • Object Storage concepts • File Storage service overview • Volume attachment and management • Backup and snapshot basics • Storage use cases and best practices <p>6. OCI Database Services Overview</p> <ul style="list-style-type: none"> • OCI Database service types • Autonomous Database overview • Database deployment options • Backup and patching concepts • High availability basics 	<p>7. Security & Governance Basics</p> <ul style="list-style-type: none"> • OCI security model • Encryption at rest and in transit • Key Management service (KMS) • Vaults and secrets • Security zones overview • Compliance and governance concepts

Day 4 - Monitoring, High Availability, Automation & Best Practices

Learning Outcomes:

- ❖ Monitor resources and control cloud costs
- ❖ Design for high availability and recovery
- ❖ Automate operations using OCI tools

Session 1: Modules 8 & 9 Time: 09.30 to 13.10	Session 2: Module 10 to 12 Time: 13.50 to 17.30
<p>8. Monitoring, Logging & Cost Management</p> <ul style="list-style-type: none"> OCI Monitoring service Metrics and alarms OCI Logging service Audit service Cost analysis and budgets Resource tagging <p>9. High Availability & Disaster Recovery Fundamentals</p> <ul style="list-style-type: none"> OCI availability design principles Fault tolerance and redundancy Backup strategies Disaster recovery concepts OCI service SLAs 	<p>10. Automation & Resource Management Basics</p> <ul style="list-style-type: none"> OCI Console vs CLI overview OCI SDKs overview Resource Manager (Terraform) introduction Basic automation use cases Infrastructure as Code concepts <p>11. Operational Best Practices</p> <ul style="list-style-type: none"> Cloud operational responsibilities Capacity planning basics Security best practices Cost optimization strategies Troubleshooting common OCI issues <p>12. Course Wrap-Up & Next Steps</p> <ul style="list-style-type: none"> Review of key concepts Common cloud admin scenarios Mapping skills to OCI certifications Next learning paths (Operations, Security, Networking)